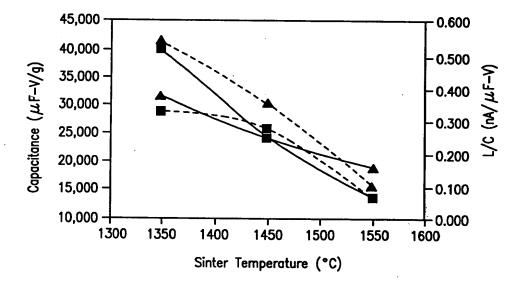


Tantalum Silicon and 50K vs Sinter Temperature (50 V_{f}) Chart 1



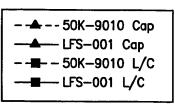


FIG. I

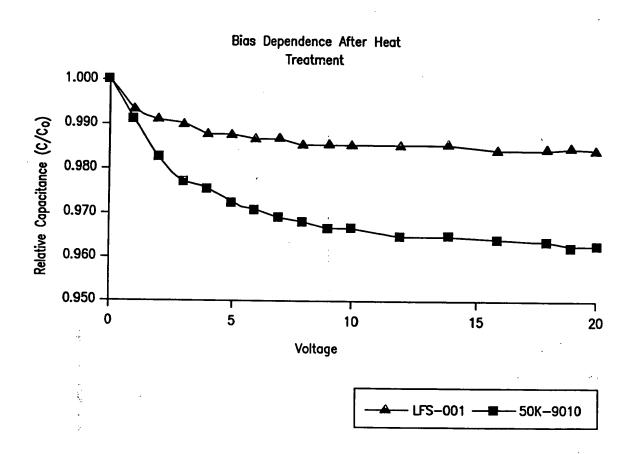
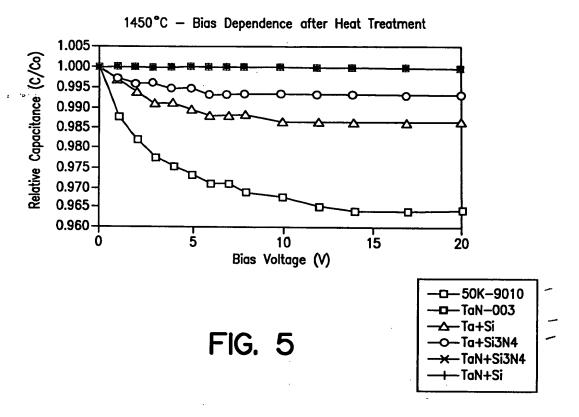


FIG. 2



1350°C - Bias Dependence after Heat Treatment 1.005 Relative Capacitance (C/Co) 0.995 0.99 0.985 0.98 0.975 0.97 0.965 -5 10 15 20 Bias Voltage (V) ►TaN+Si – TaN+Si3N4 <mark>→</mark> Ta+Si3N4 FIG. 6 O—Ta+Si → 50K9010

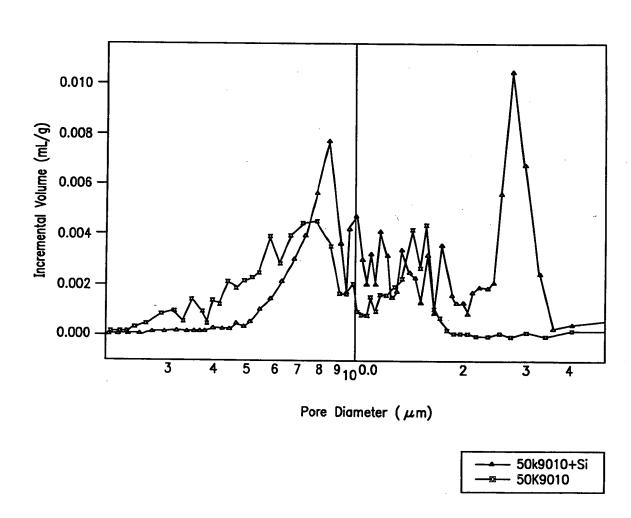
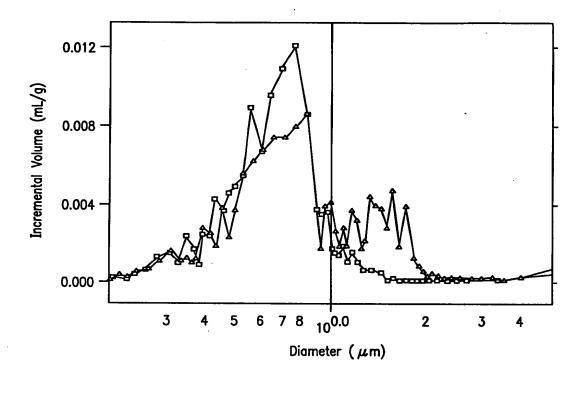


FIG. 7



DRAFTSNA

—□— TaN-003 —— TaN-003+Si

FIG. 8